

continuous nouns to thereby produce a compound wording (Step S73). According to the preparation of such compound wording, it is possible to avoid expression from being abstracted due to the division of the natural language, and it becomes possible to select and determine the search keyword surely representing the interest of the client (Step S74).

Upon the determination of the search keyword, the search condition equation (consisting of search keyword, weight, scoring system, etc.) for searching the article concerning the designated article content on the basis of this search keyword is automatically produced (i.e. renewed) (Step S75). The weight will be calculated, for example, from the appearing number and the significance of the natural language. Further, a system for counting a score at a time of appearance, even one time, in the article to be searched, or a system for counting scores every time of appearance therein may be listed up as such scoring system.

Hereunder, there will be explained the part informations concerning the search keyword determination in the step S74, the number of documents in which the natural language appears and the conditions for selecting the generality of the natural language. In these items, explanations concerning the selection condition of the part information are substantially the same as those in the case where the client designates the interested article.

According to the part information, for the natural languages appearing in a plurality of articles in the accessed articles, only the natural

languages commonly appearing in the articles which number exceeds a predetermined threshold value as a concept interested by the client. In this operation, it is an important matter not to consider the appearing frequency of the natural language for each article.

In the next procedure, in order to further squeeze these once squeezed natural languages only to further characteristic natural languages, natural languages appearing in various articles are excluded. For this purpose, for example, the ratio of the articles including the natural language appearing in the data base server section 4 is calculated, and in this calculation, the natural language appearing in articles over or below the predetermined threshold value in frequencies is considered to be general and then excluded. According to such procedures, the natural language which has characteristics and is squeezed will be deemed as the search keyword representing the interest of the client, thus obtaining the search result having less noise.

In a plurality of articles, since notational variant deviation or like causes to every article, concerning the natural language locally coincident with the extracted search keyword in the excluded natural language, a function that such natural language is deemed to be also a search keyword may be added.

Further, it is to be noted that the present invention is not limited to the described embodiments and many other changes and modifications may be made without departing from the scopes of the appended claims.

That is, for example, in the embodiment described above,

although the internet 8 constitutes a connection means, another network such as specific (selected) circuit means connectable to the WWW server section 2 may be utilized. Further, the WWW server section 2 is allowed to be only provided with a function for managing the articles, in one-way, to be served to the client in a system capable of grasping the information peruse or perused history of the client or capable of designating the articles interested by the client, and hence, such server section is not necessarily always connected to the internet.

Furthermore, the WWW server section 2, the electronic mail server section 3 and the interested article extraction server section 4 explained hereinbefore as elements constituting the server device 1 may have respectively independent structures.

Further, in a modified service example, one or both of the WWW server section 2 and electronic mail server section 3 may not be disposed to the same location in arrangement as the interested article extraction server section 4 as far as it or they are connected through a network or like.

Further, the electronic mail server section 3 may be eliminated from the construction in a case where the mail service is not performed.

Furthermore, the access history, the article contents and the user informations may be constituted by files having no specific data base construction such as data base controlled by a specific software such as respectively independent data base control system or data base control system.

The article production computer 9 may be allowed to only have